



CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001: 2015 Certified Company

NABL Accredited As Per ISO/IEC : 17025:2005 Laboratory



Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 03.11.2019

TEST REPORT ON CONCRETE CUBES

: Executive Engineer, Project Division, RR Nagara Zone, BBMP, Bangalore.
: Sri. Purushotham Raju N, Contractor, Bangalore.
: Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.

: Cement Concrete - GF Stairs & Roof
: 150mmx150mmx150mm

: 22500 mm²

: IS: 516-1959 (Reaffirmed 2008)

: M₃₀

Strength as on : 7th day

Class of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	03.11.2019	8.285	500.4	22.24
2	03.11.2019	8.252	516.3	22.95
3	03.11.2019	8.268	538.5	23.93

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The results are based on the tests carried out on the samples received in the laboratory.
This report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

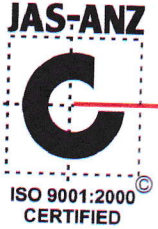


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Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 24.11.2019

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : **Sri. Purushotham Raju N**, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.
Sample ID : Cement Concrete - GF Stairs & Roof
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 28th day

Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
27.10.2019	24.11.2019	8.365	722.2	32.10
27.10.2019	24.11.2019	8.338	738.6	32.83
27.10.2019	24.11.2019	8.349	711.4	31.62

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Assistant Executive Engineer
R.R. Nagar Project Sub-Division-01
Bruhat Bengaluru Mahanagara Palike

For CIVIL QUALITY CONSULTANTS & ENGINEERS


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ISO 9001:2000
CERTIFIED

Lab No: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 03.11.2019

TEST REPORT ON CONCRETE CUBES

Client : Executive Engineer, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : Sri. Purushotham Raju N, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.
Sample ID : Cement Concrete - GF Stairs & Roof
Size of cubes : 150mmx150mmx150mm
Form Sectional Area : 22500 mm²
Standard Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 7th day

Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
27.10.2019	03.11.2019	8.269	508.2	22.59
27.10.2019	03.11.2019	8.285	526.3	23.39
27.10.2019	03.11.2019	8.246	535.8	23.81

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Assistant Executive Engineer
R.R. Nagar Project Sub-Division-01
Bruhat Bengaluru Mahanagara Palike

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Sample ID : Cement Concrete - GF Stairs & Roof
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 28th day

Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
27.10.2019	24.11.2019	8.384	728.5	32.38
27.10.2019	24.11.2019	8.369	736.9	32.75
27.10.2019	24.11.2019	8.352	705.2	31.34

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Executive Engineer
Project Division-01
Bengaluru Mahanagara Palike

For CIVIL QUALITY CONSULTANTS & ENGINEERS

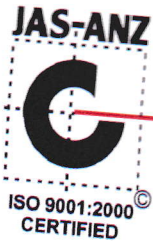
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Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 03.11.2019

TEST REPORT ON CONCRETE CUBES

Client

Contractor

Name of the work

Sample ID

Size of cubes

Cross Sectional Area

Technical Reference

Grade of Concrete

Compressive Strength as on : 7th day

: Executive Engineer, Project Division, RR Nagara Zone, BBMP, Bangalore.
: Sri. Purushotham Raju N, Contractor, Bangalore.
: Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.

: Cement Concrete - GF Stairs & Roof
: 150mmx150mmx150mm

: 22500 mm²

: IS: 516-1959 (Reaffirmed 2008)

: M₃₀

Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
27.10.2019	03.11.2019	8.298	512.2	22.76
27.10.2019	03.11.2019	8.265	489.6	21.76
27.10.2019	03.11.2019	8.228	526.3	23.39

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Assistant Executive Engineer
R.R. Nagar Project Sub-Division-01
Bruhat Bengaluru Mahanagara Palike

For CIVIL QUALITY CONSULTANTS & ENGINEERS :


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Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 24.11.2019

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : **Sri. Purushotham Raju N**, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.
Sample ID : Cement Concrete - GF Stairs & Roof
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 28th day

No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	27.10.2019	24.11.2019	8.356	738.5	32.82
2	27.10.2019	24.11.2019	8.368	725.6	32.25
3	27.10.2019	24.11.2019	8.332	716.9	31.86

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Assistant Engineer
R.R. Nagar Project Sub-Division-01
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Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 14.11.2019

TEST REPORT ON CONCRETE CUBES

Client

: **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.

Contractor

: **Sri. Purushotham Raju N**, Contractor, Bangalore.

Name of the work

: Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.

Sample ID

: Cement Concrete - First floor Beam

Size of cubes

: 150mmx150mmx150mm

Gross Sectional Area

: 22500 mm²

Technical Reference

: IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete

: M₃₀

Compressive Strength as on : 7th day

Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
07.11.2019	14.11.2019	8.269	515.2	22.90
07.11.2019	14.11.2019	8.252	529.6	23.54
07.11.2019	14.11.2019	8.246	535.8	23.81

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For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorized Signatory
R.R. Nagar Project Sub-Division-01
Bruhat Bengaluru Mahanagara Palike

Authorized Signatory



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Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 05.12.2019

TEST REPORT ON CONCRETE CUBES

Client

Contractor

Name of the work

Sample ID

Size of cubes

Gross Sectional Area

Technical Reference

Grade of Concrete

Compressive Strength as on : 28th day

: **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.
: **Sri. Purushotham Raju N**, Contractor, Bangalore.
: Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.

: Cement Concrete - First floor Beam
: 150mmx150mmx150mm

: 22500 mm²

: IS: 516-1959 (Reaffirmed 2008)

: M₃₀

Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
07.11.2019	05.12.2019	8.384	707.2	31.43
07.11.2019	05.12.2019	8.367	729.6	32.43
07.11.2019	05.12.2019	8.352	735.8	32.70

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Assistant Executive Engineer
P.R. Nagar Project Sub-Division-01
Bruhat Bengaluru Mahanagara Palike

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Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 14.11.2019

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : **Sri. Purushotham Raju N**, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.
Sample ID : Cement Concrete - First floor Beam
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 7th day

Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
07.11.2019	14.11.2019	8.274	515.2	22.90
07.11.2019	14.11.2019	8.268	529.6	23.54
07.11.2019	14.11.2019	8.252	535.2	23.79

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Assistant Executive Engineer
R.R. Nagar Project Sub-Division-01
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Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 05.12.2019

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : **Sri. Purushotham Raju N**, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.
Sample ID : Cement Concrete - First floor Beam
Size of cubes : 150mmx150mmx150mm
Gross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 28th day

Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
07.11.2019	05.12.2019	8.326	715.2	31.79
07.11.2019	05.12.2019	8.352	729.6	32.43
07.11.2019	05.12.2019	8.368	735.8	32.70

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Engineer
Project Division-01
Bangalore Mahanagara Palike


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Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 14.11.2019

TEST REPORT ON CONCRETE CUBES

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Contractor : **Sri. Purushotham Raju N**, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.
Sample ID : Cement Concrete - First floor Beam
Size of cubes : 150mmx150mmx150mm
Gross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 7th day

Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
14.11.2019	14.11.2019	8.225	516.3	22.95
14.11.2019	14.11.2019	8.236	535.8	23.81
14.11.2019	14.11.2019	8.265	524.6	23.32

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For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Engineer
Project Division-01
RR Nagara Palike



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Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 05.12.2019

TEST REPORT ON CONCRETE CUBES

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Contractor : Sri. Purushotham Raju N, Contractor, Bangalore.
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Sample ID : Cement Concrete - First floor Beam
Size of cubes : 150mmx150mmx150mm
Gross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Cure Strength as on : 28th day

No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	07.11.2019	05.12.2019	8.345	716.3	31.84
2	07.11.2019	05.12.2019	8.368	735.6	32.69
3	07.11.2019	05.12.2019	8.382	728.9	32.40

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For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Certified Executive Engineer
R.R. Nagar Zone, Project Division-01
Bruhat Bengaluru Mahanagara Palike



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Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 25.11.2019

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : **Sri. Purushotham Raju N**, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.
Sample ID : Cement Concrete - First Floor Stairs & Roof
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 7th day

No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	18.11.2019	25.11.2019	8.258	500.6	22.25
2	18.11.2019	25.11.2019	8.284	526.3	23.39
3	18.11.2019	25.11.2019	8.269	539.4	23.07

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Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 16.12.2019

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : **Sri. Purushotham Raju N**, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.
Sample ID : Cement Concrete - First Floor Stairs & Roof
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Grade of Concrete : M₃₀
Compressive Strength as on : 28th day

Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
18.11.2019	16.12.2019	8.385	725.3	32.24
18.11.2019	16.12.2019	8.356	738.9	32.84
18.11.2019	16.12.2019	8.368	716.5	31.84

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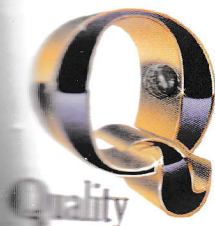
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For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorized Engineer
R.R. Nagar Project Sub-Division-01
Bruhat Bengaluru Mahanagara Palike

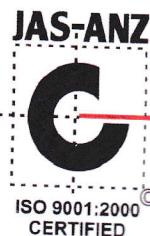
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Compressive Strength as on : 28th day

Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
18.11.2019	16.12.2019	8.379	716.3	31.84
18.11.2019	16.12.2019	8.368	739.6	32.87
18.11.2019	16.12.2019	8.345	752.4	33.44

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Assistant Engineer
R.R. Nagar Project - Division-01
Bruhat Bengaluru Mahanagara Palike

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Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 7th day

S.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	18.11.2019	25.11.2019	8.298	516.3	22.95
2	18.11.2019	25.11.2019	8.265	538.5	23.93
3	18.11.2019	25.11.2019	8.228	526.1	23.38

This report shall not be reproduced, except in full, without the written approval of the laboratory.
Results indicated above are based on the tests carried out on the samples received in the laboratory.
Any query regarding the report must be reported within 30 days from the date of testing.

Authorised Engineer
R.R. Nagar Project Division-01
Bruhat Bengaluru Mahanagara Palike

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)
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NABL Accredited As Per ISO/IEC : 17025:2005 Laboratory



Lab No. CQCE/BBMP/PRN/W.No.17/2019-20

Date: 16.12.2019

TEST REPORT ON CONCRETE CUBES

: Executive Engineer, Project Division, RR Nagara Zone, BBMP, Bangalore.
: Sri. Purushotham Raju N, Contractor, Bangalore.
: Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.

: Cement Concrete - First Floor Stairs & Roof
: 150mmx150mmx150mm

: 22500 mm²

: IS: 516-1959 (Reaffirmed 2008)

: M₃₀

Compressive Strength as on : 28th day

Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
18.11.2019	16.12.2019	8.346	715.2	31.79
18.11.2019	16.12.2019	8.368	739.6	32.87
18.11.2019	16.12.2019	8.354	756.6	33.63

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Results indicated above are based on the tests carried out on the samples received in the laboratory.
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Assistant Engineer
R.R. Nagar Project Sub-Division-01
Bruhat Bengaluru Mahanagara Palike

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Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 25.11.2019

TEST REPORT ON CONCRETE CUBES

Client : Executive Engineer, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : Sri. Purushotham Raju N, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.
Sample ID : Cement Concrete - First Floor Stairs & Roof
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 7th day

No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	18.11.2019	25.11.2019	8.289	516.3	22.95
2	18.11.2019	25.11.2019	8.265	528.6	23.49
3	18.11.2019	25.11.2019	8.228	536.2	23.83

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Accepted by: Executive Engineer
R.R. Nagar Zone, Sub-Division-01
Bruhat Bengaluru Mahanagara Palike

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Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 16.12.2019

TEST REPORT ON CONCRETE CUBES

Client : Executive Engineer, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : Sri. Purushotham Raju N, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.
Sample ID : Cement Concrete - First Floor Stairs & Roof
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 28th day

S.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	18.11.2019	16.12.2019	8.369	736.3	32.72
2	18.11.2019	16.12.2019	8.352	750.2	33.34
3	18.11.2019	16.12.2019	8.348	718.9	31.95

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Authorized Engineer
R.R. Nagar Project Division-01
Bruhat Bengaluru Mahanagara Palike

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

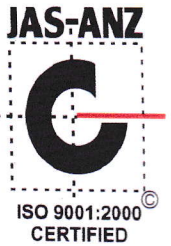


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Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 25.11.2019

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : **Sri. Purushotham Raju N**, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.
Sample ID : Cement Concrete - First Floor Stairs & Roof
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 7th day

S.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	18.11.2019	25.11.2019	8.298	505.2	22.45
2	18.11.2019	25.11.2019	8.268	516.3	22.95
3	18.11.2019	25.11.2019	8.251	538.5	23.93

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Results indicated above are based on the tests carried out on the samples received in the laboratory.

Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
R.R. Nagar Project Sub-Division-01
Bruhat Bengaluru Mahanagara Palike

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 16.12.2019

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : **Sri. Purushotham Raju N**, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.
Sample ID : Cement Concrete - First Floor Stairs & Roof
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	18.11.2019	16.12.2019	8.369	729.3	32.41
2	18.11.2019	16.12.2019	8.380	735.6	32.69
3	18.11.2019	16.12.2019	8.346	710.5	31.58

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Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
R.R. Nagar Project Sub Division-01
Bruhat Bengaluru Mahanagara Palike

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

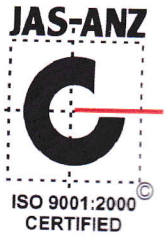


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Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 12.12.2019

TEST REPORT ON CONCRETE CUBES

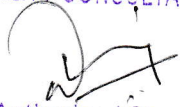
Client : **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : **Sri. Purushotham Raju N**, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.
Sample ID : Cement Concrete - Second floor Beam
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 7th day

SLNo.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	05.12.2019	12.12.2019	8.268	515.2	22.90
2	05.12.2019	12.12.2019	8.280	529.6	23.54
3	05.12.2019	12.12.2019	8.241	538.4	23.93

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Assistant Executive Engineer
R.R. Nagar Project Sub-Division-01
Bruhat Bengaluru Mahanagara Palike

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Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 02.01.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : **Sri. Purushotham Raju N**, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.

Sample ID : Cement Concrete - Second floor Beam
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 28th day

SLNo.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	05.12.2019	02.01.2020	8.384	705.2	31.34
2	05.12.2019	02.01.2020	8.356	719.3	31.97
3	05.12.2019	02.01.2020	8.368	735.8	32.70

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The results indicated above are based on the tests carried out on the samples received in the laboratory.

Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
R.R. Nagar Project Sub-Division-01
Bruhat Bengaluru Mahanagara Palike

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Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 12.12.2019

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : **Sri. Purushotham Raju N**, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.
Sample ID : Cement Concrete - Second floor Beam
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 7th day

SLNo.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	05.12.2019	12.12.2019	8.265	505.2	22.45
2	05.12.2019	12.12.2019	8.228	519.6	23.09
3	05.12.2019	12.12.2019	8.254	535.2	23.79

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R.R. Nagar Project Sub-Division-01
Bruhat Bengaluru Mahanagara Palike

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JAS-ANZ



Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 02.01.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : **Sri. Purushotham Raju N**, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.
Sample ID : Cement Concrete - Second floor Beam
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	05.12.2019	02.01.2020	8.374	715.2	31.79
2	05.12.2019	02.01.2020	8.356	735.6	32.69
3	05.12.2019	02.01.2020	8.366	728.9	32.40

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R.R. Nagar Project Division-01
Bruhat Bengaluru Mahanagara Palike

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

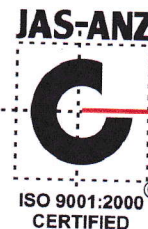


CIVIL QUALITY CONSULTANTS & ENGINEERS

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Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 12.12.2019

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : **Sri. Purushotham Raju N**, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.
Sample ID : Cement Concrete - Second floor Beam
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 7th day

S.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	05.12.2019	12.12.2019	8.245	516.3	22.95
2	05.12.2019	12.12.2019	8.268	528.6	23.49
3	05.12.2019	12.12.2019	8.252	539.4	23.97

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Results indicated above are based on the tests carried out on the samples received in the laboratory.
Query regarding the report must be reported within 30 days from the date of testing.

Additional Executive Engineer
RR Nagar Project Sub-Division-01
Bangalore Mahanagara Palike

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

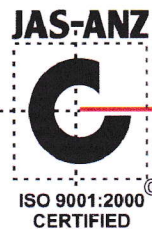


CIVIL QUALITY CONSULTANTS & ENGINEERS

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NABL Accredited As Per ISO/IEC : 17025:2005 Laboratory



Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 02.01.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : **Sri. Purushotham Raju N**, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.

Sample ID : Cement Concrete - Second floor Beam
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 28th day

SLNo.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	05.12.2019	02.01.2020	8.336	715.2	31.79
2	05.12.2019	02.01.2020	8.358	729.6	32.43
3	05.12.2019	02.01.2020	8.381	735.8	32.70

The report shall not be reproduced, except in full, without the written approval of the laboratory.
The results indicated above are based on the tests carried out on the samples received in the laboratory.
Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Assistant Engineer
R.R. Nagar Project Sub-Division-01
Bruhat Bengaluru Mahanagara Palike

Authorised Signatory



CIVIL QUALITY CONSULTANTS & ENGINEERS

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NABL Accredited As Per ISO/IEC : 17025:2005 Laboratory



Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 24.12.2019

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : **Sri. Purushotham Raju N**, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.
Sample ID : Cement Concrete - Second floor Stairs & Roof
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	17.12.2019	24.12.2019	8.211	496.6	22.07
2	17.12.2019	24.12.2019	8.252	515.2	22.90
3	17.12.2019	24.12.2019	8.268	529.3	23.52

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Query regarding the report must be reported within 30 days from the date of testing.

R.R. Nagar Project Division-01
Bruhat Bengaluru Mahanagara Palike

For CIVIL QUALITY CONSULTANTS & ENGINEERS ERS

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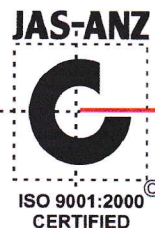


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NABL Accredited As Per ISO/IEC : 17025:2005 Laboratory



Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 14.01.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : **Sri. Purushotham Raju N**, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.

Sample ID : Cement Concrete - Second floor Stairs & Roof
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	17.12.2019	14.01.2020	8.365	739.6	32.87
2	17.12.2019	14.01.2020	8.338	752.5	33.44
3	17.12.2019	14.01.2020	8.346	719.5	31.98

The report shall not be reproduced, except in full, without the written approval of the laboratory.

The results indicated above are based on the tests carried out on the samples received in the laboratory.

Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS


Assistant Executive Engineer
R.R. Nagar Project Sub-Division-01
Bruhat Bengaluru Mahanagara Palike


Authorised Signatory



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Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 24.12.2019

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : **Sri. Purushotham Raju N**, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.
Sample ID : **Cement Concrete - Second floor Stairs & Roof**
Size of cubes : **150mm x 150mm x 150mm**
Cross Sectional Area : **22500 mm²**
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	17.12.2019	24.12.2019	8.285	515.2	22.90
2	17.12.2019	24.12.2019	8.269	535.6	23.80
3	17.12.2019	24.12.2019	8.225	519.6	23.09

The report shall not be reproduced, except in full, without the written approval of the laboratory.
The results indicated above are based on the tests carried out on the samples received in the laboratory.
Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Executive Engineer
R.R. Nagar Project Div-01
Bruhat Bangalore Mahanagara Palike

Authorised Signatory



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NABL Accredited As Per ISO/IEC : 17025:2005 Laboratory



Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 14.01.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : **Sri. Purushotham Raju N**, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.
Sample ID : Cement Concrete - Second floor Stairs & Roof
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	17.12.2019	14.01.2020	8.385	735.2	32.68
2	17.12.2019	14.01.2020	8.336	719.6	31.98
3	17.12.2019	14.01.2020	8.346	735.6	32.69

Note:

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The results indicated above are based on the tests carried out on the samples received in the laboratory.
Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
R.R. Nagar Project Sub-Division-01
Bruhat Bengaluru Mahanagara Palike

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory



CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001: 2015 Certified Company

NABL Accredited As Per ISO/IEC : 17025:2005 Laboratory



Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 24.12.2019

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : **Sri. Purushotham Raju N**, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.
Sample ID : Cement Concrete - Second floor Stairs & Roof
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	17.12.2019	24.12.2019	8.248	513.3	22.81
2	17.12.2019	24.12.2019	8.269	535.8	23.81
3	17.12.2019	24.12.2019	8.225	526.4	23.40

Note:

- The report shall not be reproduced, except in full, without the written approval of the laboratory.
- The results indicated above are based on the tests carried out on the samples received in the laboratory.
- Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
R.R. Nagar Project Sub-Division-01
Bruhat Bengaluru Mahanagara Palike

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

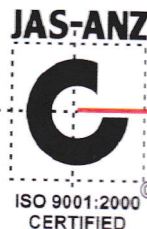


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Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 14.01.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : **Sri. Purushotham Raju N**, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.
Sample ID : Cement Concrete - Second floor Stairs & Roof
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 28th day

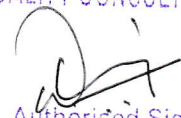
Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	17.12.2019	14.01.2020	8.384	715.2	31.79
2	17.12.2019	14.01.2020	8.369	735.9	32.71
3	17.12.2019	14.01.2020	8.365	700.5	31.13

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For CIVIL QUALITY CONSULTANTS & ENGINEERS


Assistant Executive Engineer
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Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 24.12.2019

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : **Sri. Purushotham Raju N**, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.

Sample ID : Cement Concrete - Second floor Stairs & Roof
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	17.12.2019	24.12.2019	8.284	515.2	22.90
2	17.12.2019	24.12.2019	8.266	529.6	23.54
3	17.12.2019	24.12.2019	8.252	535.1	23.78

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For CIVIL QUALITY CONSULTANTS & ENGINEERS

Assistant Executive Engineer
R.R. Nagar Project Sub-Division-01
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Job No.: CQCE/BBMP/PRN/W.No.17/2019-20

Date: 14.01.2020

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Project Division, RR Nagara Zone, BBMP, Bangalore.
Contractor : **Sri. Purushotham Raju N**, Contractor, Bangalore.
Name of the work : Construction of Market Building At JP Park in Ward No 17, BBMP, Bangalore.

Sample ID : Cement Concrete - Second floor Stairs & Roof
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M₃₀
Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	17.12.2019	14.01.2020	8.348	715.2	31.79
2	17.12.2019	14.01.2020	8.382	739.6	32.87
3	17.12.2019	14.01.2020	8.369	752.4	33.44

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For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorized Executive Engineer
R.R. Nagar Project Sub-Division-01
Bruhat Bengaluru Mahanagara Palike

Authorised Signatory